

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1339857

Luminaire Tested: P3A09R159030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R159030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

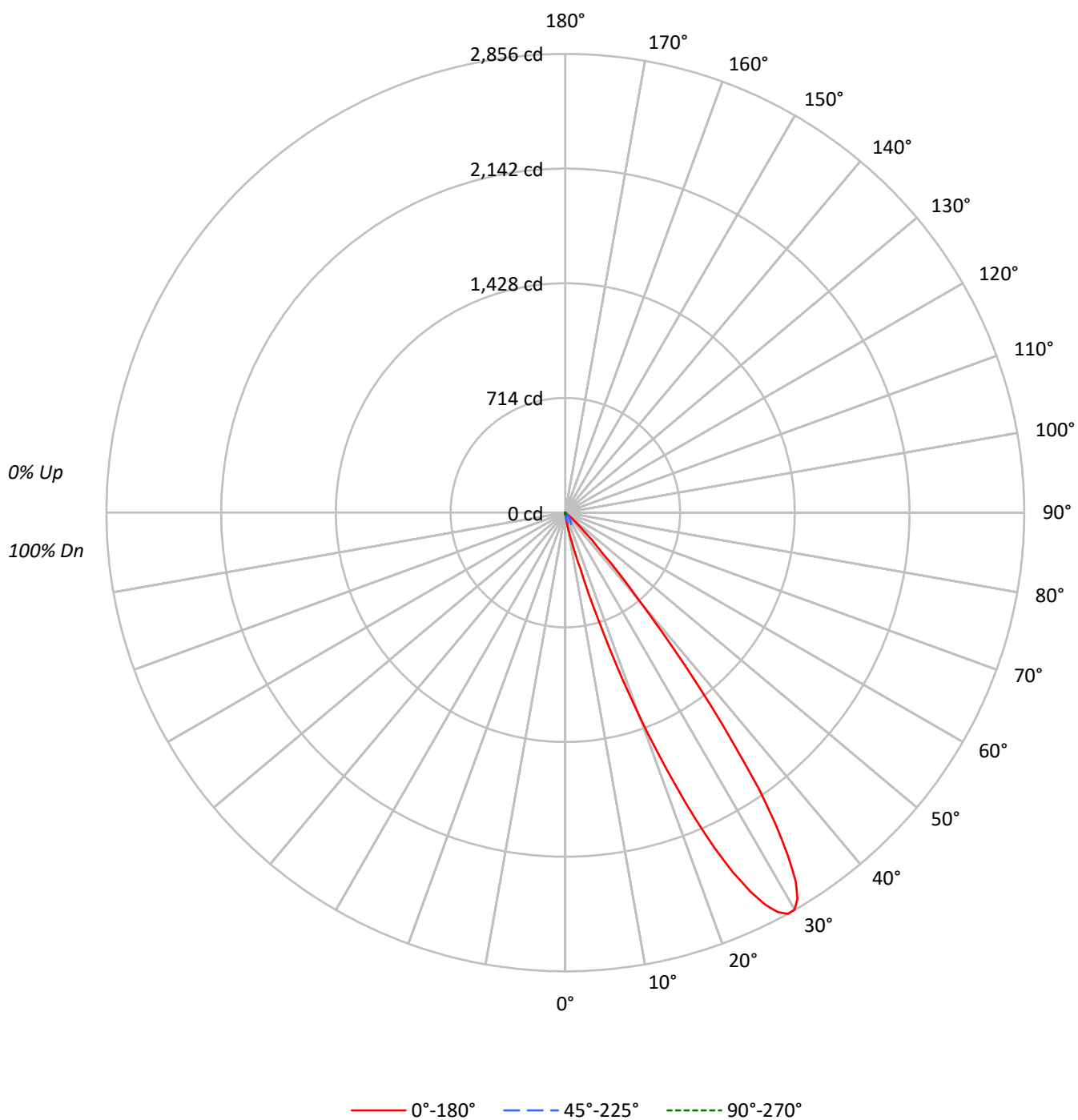
Lumens per Lamp: N/A
Luminaire Lumens: 312.0 lumens
Efficiency: N/A
Efficacy: 21.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2259	2259	2259	2259	2259
5°	4887	3610	2135	1145	924
10°	21621	6836	1692	468	334
15°	81794	15778	1180	204	136
20°	314514	22239	700	70	70
25°	598099	20856	363	0	0
30°	722516	16838	152	0	0
35°	563519	11457	80	0	0
40°	205642	5639	86	0	86
45°	52812	1706	93	0	186
50°	8904	205	102	102	307
55°	1147	0	229	344	573
60°	132	132	395	526	789
65°	156	156	623	778	934
70°	192	192	769	769	962
75°	254	254	1017	763	1017
80°	0	379	1137	758	1137
85°	0	755	2264	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52812 cd/sqm

TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.5
10°-20°	23.9	7.7
20°-30°	132.6	42.5
30°-40°	128.1	41.1
40°-50°	22.3	7.1
50°-60°	1.6	0.5
60°-70°	0.9	0.3
70°-80°	0.8	0.2
80°-90°	0.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	157.9	50.6
0°-40°	286.0	91.7
0°-60°	309.9	99.3
0°-90°	312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	312.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	22	16	10	5	4	4
15°	360	70	5	1	1	161
25°	2472	86	2	0	0	1105
35°	2105	43	0	0	0	1211
45°	170	6	0	0	1	183
55°	3	0	1	1	2	6
65°	0	0	1	2	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	15.2	14.6	14.9	14.9	14.9	14.9	14.9	14.3	14.3	14.6	13.1
5°	22.2	22.2	21.9	22.2	22.2	21.9	21.2	20.9	20.9	20.3	16.4
7.5°	44.3	43.7	43.7	43.1	40.1	39.2	38.5	37.0	34.3	33.7	21.2
10°	97.1	97.4	95.3	92.6	92.3	87.7	86.2	83.5	78.3	73.1	30.7
12.5°	176.3	172.4	167.2	167.5	158.7	155.7	148.7	141.1	133.2	125.0	50.4
15°	360.3	349.0	355.7	339.3	320.8	299.9	278.6	251.9	229.1	204.9	69.5
17.5°	758.7	769.7	751.2	681.0	638.0	587.3	515.9	447.1	388.2	340.8	85.0
20°	1347.8	1363.9	1301.1	1240.1	1135.4	1021.3	902.3	767.5	638.6	526.9	95.3
21°	1594.0	1584.3	1558.5	1460.7	1339.9	1207.6	1061.9	913.2	756.9	611.9	96.2
22°	1831.9	1836.5	1776.4	1674.1	1548.4	1401.9	1224.0	1040.4	871.9	681.0	94.7
23°	2068.9	2083.5	2004.0	1908.1	1750.0	1584.6	1378.8	1180.6	972.4	760.3	91.7
24°	2288.4	2278.4	2224.6	2103.8	1934.8	1741.2	1527.5	1287.1	1055.0	827.9	89.2
25°	2472.0	2470.8	2386.4	2268.9	2075.6	1861.0	1625.5	1374.2	1125.7	873.8	86.2
26°	2622.2	2597.6	2531.2	2387.9	2197.0	1970.6	1706.0	1437.7	1165.4	896.8	83.2
27°	2738.2	2720.6	2631.3	2482.3	2282.9	2032.5	1757.6	1469.2	1183.6	904.4	79.2
28°	2816.2	2797.0	2702.0	2548.5	2330.3	2071.4	1784.9	1482.6	1183.6	897.1	75.6
29°	2856.5	2830.4	2735.7	2571.2	2341.2	2075.9	1778.2	1469.5	1165.1	874.7	71.3
30°	2853.5	2821.0	2721.8	2550.6	2308.7	2038.6	1740.9	1422.5	1123.2	841.3	66.5
31°	2804.3	2767.9	2657.1	2480.8	2241.6	1968.2	1670.5	1359.4	1065.9	797.9	61.6
32°	2704.5	2658.3	2550.3	2374.6	2138.4	1862.9	1568.2	1261.9	980.0	734.5	56.5
33°	2541.8	2495.4	2379.4	2214.6	1998.8	1729.3	1432.5	1157.2	882.3	658.9	52.2
34°	2338.1	2295.7	2195.8	2029.8	1822.8	1560.3	1276.5	1012.5	780.9	583.9	47.6
35°	2105.1	2037.4	1946.9	1815.5	1613.7	1349.7	1108.1	877.7	676.5	505.3	42.8
36°	1789.7	1801.9	1706.0	1545.1	1377.9	1170.9	939.0	731.7	565.7	430.7	38.5
37°	1510.2	1491.1	1430.1	1305.6	1160.0	954.5	787.0	620.3	475.9	364.2	34.0
38°	1218.2	1222.5	1162.7	1067.1	922.6	784.8	633.4	509.6	398.2	309.9	29.7
39°	953.6	950.3	934.2	845.5	714.7	624.3	513.2	422.5	331.7	261.3	25.2
40°	718.4	723.8	686.2	632.8	556.6	482.3	408.8	336.9	274.4	220.3	19.7
42.5°	349.3	357.8	332.9	319.3	285.6	256.5	216.4	176.6	150.2	129.9	8.8
45°	170.3	165.4	163.3	156.6	148.7	132.9	117.8	101.1	88.3	76.2	5.5
47.5°	87.1	84.7	84.7	81.9	79.2	74.1	66.5	61.0	54.9	47.3	2.1
50°	26.1	25.8	25.5	25.8	24.9	25.8	26.4	26.7	24.3	24.0	0.6
52.5°	10.3	10.6	10.3	11.2	11.2	10.9	11.2	10.9	10.6	9.4	0.0
55°	3.0	3.0	3.0	3.0	3.0	3.0	3.3	3.6	3.3	3.6	0.0
57.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	12.1	10.6	8.8	7.3	6.7	6.4
5°	13.1	9.7	6.7	5.2	4.6	4.2
7.5°	14.0	8.8	5.2	3.6	2.7	2.4
10°	14.6	7.6	3.9	2.1	1.5	1.5
12.5°	14.6	6.1	2.7	1.2	0.9	0.9
15°	14.3	5.2	1.8	0.9	0.6	0.6
17.5°	14.0	3.9	1.2	0.6	0.3	0.6
20°	13.1	3.0	0.6	0.3	0.3	0.3
21°	12.7	2.7	0.6	0.3	0.3	0.3
22°	12.1	2.4	0.3	0.0	0.3	0.3
23°	11.5	1.8	0.3	0.0	0.0	0.0
24°	10.6	1.5	0.3	0.0	0.0	0.0
25°	10.0	1.5	0.3	0.0	0.0	0.0
26°	9.4	0.9	0.0	0.0	0.0	0.0
27°	8.5	0.6	0.0	0.0	0.0	0.0
28°	7.9	0.6	0.0	0.0	0.0	0.0
29°	7.0	0.6	0.0	0.0	0.0	0.0
30°	6.1	0.6	0.0	0.0	0.0	0.0
31°	4.9	0.3	0.0	0.0	0.0	0.0
32°	3.9	0.3	0.0	0.0	0.0	0.0
33°	2.7	0.3	0.0	0.0	0.0	0.0
34°	1.8	0.3	0.0	0.0	0.0	0.0
35°	1.5	0.3	0.0	0.0	0.0	0.0
36°	0.9	0.3	0.0	0.0	0.0	0.3
37°	0.9	0.3	0.0	0.0	0.0	0.3
38°	0.6	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.6
45°	0.0	0.3	0.0	0.0	0.3	0.6
47.5°	0.0	0.3	0.0	0.0	0.6	0.6
50°	0.0	0.3	0.3	0.3	0.6	0.9
52.5°	0.0	0.6	0.3	0.6	0.9	1.2
55°	0.3	0.6	0.6	0.9	1.2	1.5
57.5°	0.3	0.9	0.9	1.2	1.5	1.5
60°	0.6	0.9	1.2	1.2	1.8	1.8
62.5°	0.6	1.2	1.2	1.2	1.8	1.8
65°	0.6	1.2	1.2	1.5	1.8	1.8
67.5°	0.6	1.2	1.2	1.2	1.5	1.8
70°	0.6	1.2	0.9	1.2	1.5	1.5
72.5°	0.6	1.2	0.9	0.9	1.2	1.5
75°	0.6	1.2	0.9	0.9	1.2	1.2
77.5°	0.6	0.9	0.9	0.6	0.9	0.9
80°	0.6	0.9	0.6	0.6	0.9	0.9



TEST NUMBER: P1339857

CATALOG NUMBER: P3A09R159030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.6	0.9	0.6	0.3	0.6	0.6
85°	0.6	0.9	0.6	0.3	0.3	0.3
87.5°	0.6	0.9	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)